

WHAT IS CLAIMED IS:

1. A deflection yoke apparatus, comprising:

- a saddle-type coil bobbin having a front end portion and a rear end portion;
- first guide grooves formed in an inner surface of said coil bobbin and extending across the front end portion and the rear end portion;
- at least one second guide groove formed in the front end portion;
- at least one third guide groove formed in the rear end portion;
- a multi-wire conductor wound around said coil bobbin, the conductor being routed through said first guide grooves, said at least one second guide groove, and said at least one third guide groove;
- wherein said second guide groove and third guide groove have a width in a range of 1.0 to 1.5 times a diameter of said conductor.

2. The deflection yoke according to Claim 1, wherein said at least one second guide groove is one of a plurality of second guide grooves aligned in parallel and said at least one third guide groove is one of a plurality of third guide grooves aligned in parallel.